



COMPANY PROFILE

Energize Safely

ABOUT US

We are founded in 2020 in Egypt as the first local manufacturer in MEA Region for electric teting equipment, Neutral Earthing Resistors, Battery chargers and load banks.

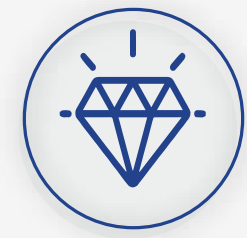
the high caliber of VOLT X R&D teams is committed to developing VOLT X Products to maintain high quality in accordance with cutting-edge technologies and international standards



To provide the best experience for our customers as we combine Engineering and Technology, with Quality and Innovation, to create a modern vision in all our products.



To be the market leader of VOLT X portfolio in MEA region



We use advanced engineering techniques and state-of-the-art manufacturing processes to create reliable, efficient, and cost-effective products.

OUR

PRODUCTS



since the early start of VOLT X products manufacturing, we are committed to keep up them technologically up to date, we perform continuous improvements to perceiving the quality of the products.

01

Neutral
Earthing Resistor

02

Testing
Equipment

03

Battery
Chargers

04

Real-Time
Monitring

05

Building
Panels

NER

Neutral Earthing Resistor

Neutral-earthing resistors (NERs) are used to ground the neutral point in a (medium) voltage grid. The resistors limit the fault current in the case of a phase-to-ground short circuit.

A NER limits damage, resulting in shorter and fewer downtimes. The main advantages of NERs over alternative grounding methods is that they limit fault currents, allow simple fault-detection and do not produce over-voltages.

- ✓ Rated system Voltage up to (36 kV)
- ✓ Nominal System Voltage up to (33 kV)
- ✓ Line-Neutral Voltage (20 kV)
- ✓ Rated Current up to (1000 Amps)
- ✓ Rated Time up to (30 seconds)
- ✓ Continuous Current up to (5 Amps)
- ✓ Resistance at 25°C (500 ohm)
- ✓ Maximum element temperature rise (760 °C)
- ✓ Temperature coefficient of resistance (0.113 % / °C)
- ✓ Element Type (Grid Type and Eire Type)



Primary Injection Tester



- ✓ The range of current 600A, 1000A, 3000A, 5000A up to 7000 A.
- ✓ The Front Panel is a multicolor Touch Screen 7 inches.
- ✓ Compact, simple, rugged, and reliable Design.
- ✓ Digital Metering on front panel Screen
- ✓ Operate without connection to a PC.
- ✓ Stand-alone functionality
- ✓ Can be access remotly through Mobile Application
- ✓ True RMS measurement
- ✓ Simplify all types of switchgear and CT commissioning, ground grid, circuit breaker testing

AC Load Bank



- ✓ Designed for testing Three phase Ac system or for continuous duty operation.
- ✓ 3 phase connection, phase balance is guaranteed ($\pm 10\%$).
- ✓ Ambient temperature: up to 55 degrees, relative humidity up to 90%.
- ✓ Electrostatic painting Enclosure
- ✓ Microprocessor based controlled load bank
- ✓ Rugged and reliable for field use with side forced fan cooling.
- ✓ Compact and has no special leads required on site
- ✓ Operate without connection to a PC. With 7" touch Screen display.
- ✓ On HMI screen measuring: Power, ammeter, and voltmeter readings.
- ✓ On HMI screen indication lamps: Power, ammeter, and voltmeter readings.
- ✓ On screen indication for Power ON, blower and alarms status

DC Load Bank



- ✓ IPSUM_DCLB is designed for battery capacity testing, acceptance testing, battery maintenance, and other testing of DC systems
- ✓ Different customized models to meet the requirements of customers.
- ✓ Programmable Load Steps for all types of systems: Batteries, UPS
- ✓ Microprocessor-based controlled load bank.
- ✓ Portable, economic, reliable, and user-friendly.
- ✓ Compact and has no special leads required on site.
- ✓ Operate without connection to a PC, With a 7" Touch Screen display.
- ✓ On Screen Ammeter and Voltammeter readings.
- ✓ On Screen discharge current and Battery End-Voltage setting
- ✓ On Screen discharge current multi-setpoint table

Power Supply



- ✓ AC input 180~250 V AC.
- ✓ Built-in active PFC function
- ✓ High efficiency up to 93%.
- ✓ Forced air cooling by built-in DC fans.
- ✓ Output Setup, Rise Time: 1000ms, 80ms / 230VAC at full load.
- ✓ Strictly stable programmable output voltage 40V – 250V DC.
- ✓ Variable DC voltage outputs 48/110/220 $\pm 10\%$.
- ✓ DC Current output 50 A $\pm 10\%$ / Output Power: 10kW
- ✓ One volt increase/decrease step.
- ✓ Operate without connection to a PC. With the Front Panel Touch Screen 7 inch.
- ✓ Digital Metering / Status indicator on the front panel Screen.
- ✓ Rugged and reliable for field use.

Dielectric Withstand Tester [Hi-Pot Tester]



- ✓ Simplify different types of insulation testing on circuit breakers, busbars, cables, motors, generators, transformers and more.
- ✓ Provides up to 5kV AC.
- ✓ High burden current
- ✓ Stand-alone functionality
- ✓ Front Panel with 7-inch touch screen
- ✓ Digital Metering for voltage, current and time settings on front panel
Screen
- ✓ Operate without connection to a PC.
- ✓ Portable, Rugged and reliable for field use.

Stationary Battery Charger

- ✓ Universal AC input / Full range 3Phase 400 V AC stationary charger.
- ✓ Input Power Factor: PF 0.85.
- ✓ DC Current output up to 250 A / DC Voltage output 48,110 , 220 (up to 250 VDC)
- ✓ Microprocessor / Digital based controlled.
- ✓ Operate with a Front Panel Touch Screen 7 inch.
- ✓ Reliable for field use with its enclosure compact size.
- ✓ Fail-Safe basis switched contractors for voltage-dropping diodes in the load circuit
- ✓ Digital Metering, alarms, Control settings, and Status indicators on the front panel Screen.
- ✓ 6 Pulse fully controlled Silicon controlled rectifier Thyristors fixed in one sub-assembly.
- ✓ Strictly stable programmable output voltage 0V – 250V DC to supply the loads and battery simultaneously



Portable Battery Charger

- ✓ Universal AC input / Full range 180~250 V AC mobile charger.
- ✓ Compatible with a wide variety of battery types such as lead-acid batteries (flooded, Gel, and AGM)
- ✓ Forced air cooling by built-in DC fans.
- ✓ Strictly stable programmable output voltage 48V – 250V DC.
- ✓ Operate with a Front Panel Touch Screen 7 inch.
- ✓ Microprocessor / Digital based controlled.
- ✓ Digital Metering / Status indicator on the front panel Screen.
- ✓ Compact and has no special leads required on-site.
- ✓ Temperature compensation function / DC Current output up to 45 A.
- ✓ High efficiency up to 93%
- ✓ Portable, Rugged, and reliable for field use with its mobility movement and compact size.



Programmable Alarm Annunciator



- ✓ Available in a range of sizes 12, 24 up to 36 flags multi colored flags selected by user
- ✓ Integral Redundant wide range Power Supply AC and DC.
- ✓ The Front Panel is a multicolor Touch Screen 4, 7 up to 10 inches.
- ✓ Internal built-in Horn in addition to free contact for external Horn.
- ✓ Compact, simple, Low Power Consumption, rugged and reliable Design.
- ✓ Watchdog on-screen alarm in addition to free contact for remote watchdog alarm.
- ✓ A cloud platform option can be added
- ✓ Event log function option on an HMI screen or external memory card (if required)
- ✓ Signals label can be edited by a keyboard on touch screen

Panels

Panels Building & Services

We at VOLT X design, fabricate and supply different kinds of panels:

- ✓ Control Panel
- ✓ Control and Protection Panel
- ✓ AC/DC Panel
- ✓ Marshalling Panel

Delivered Projects :

- ✓ Kafr ELSheikh LCC
- ✓ SEDFA LCC
- ✓ DC distribution Panel



CLIENTS





THANK YOU

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